BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Construction of Bus Stop in Ramachandrapura in Ward No. 10, Daddabommasandra, Vidyaranyapura Sub Division.

Name of Agency: R. Narayanaswamy, Contractor, # 77/5, Venkateshwara Building, Gadalahalli, Bangalore - 94.

Estimated Cost: 10,00,000.00

D.R. No. 379/12-13

Tender Amount : Rs. 9,05,879.70

Work Order No. EE/BTP/BBMP/E-PMT/(4571)/113/2013-14 Dated: 03.08.2013.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2013-14+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in **hard soil** not exceeding 1.5m , in depth including dressing the bottom and sides	Cum	42.83	198.22	8489.76	42.83	200.00	8566.00	56.37	53.54	200.00	10708.00	2.83	223.66	634.00	11342.00		2776.00	
2	Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using 40mm and down size graded granite metal, corse aggregates @ 0.85 cum and fine	Cum	8.94	3812.82	34086.61	8.94	4000.00	35760.00	6.90	6.90	4000.00	27583.00				27583.00	8177.00		
3	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass	Sqm	11.66	198.22	2311.25	11.66	250.00	2915.00	121.06	14.58	250.00	3644.00	106.48	220.48	23477.00	27121.00		24206.00	
4	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal** coarse	Cum	8.49	5142.06	43656.09	8.49	5300.00	44997.00	29.41	10.61	5300.00	56246.00	18.80	5535.32	104054.00	160300.00		115303.00	
5	Providing Mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding	Qtl	19.01	7690.30	146192.60	19.01	7900.00	150179.00	36.76	23.76	7900.00	187724.00	13.00	7312.94	95075.00	282799.00		132620.00	
6	Supplying, fabricating, erecting, and fixing in position, inserts and embedments, Truss, clamps, brackets, insert plates and all miscellaneous steel works as shown in drawing and as directed by the Engineer at all depths	MT	2.81	85000.00	238850.00	2.81	90000.00	252900.00	0.00	0.00	90000.00	0.00				0.00	252900.00		

2,61077

2,72129

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2013-14+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
7	Manufacturing, providing & fixing Advertisement Boards with frame of 25x25x2mm sq.pipe and S.S Beading with rivets with 1.2mm thick polycorbonate sheet covering as per approved drawing & specification etc., complete and as directed by the	Sqm	48.12	3000.00	144360.00	48.12	3000.00	144360.00	0.00	0.00	3000.00	0.00				0.00	144360.00		
8	Providing and fixing stainless steel hand rails for a height of 900 mm using m 62.50 mm dia of 16 guage for top measure and verticals at 1.50 m C/c, and 50 mm dia of 16 guage stainless	M	9.60	4282.40	41111.04	9.60	4400.00	42240.00	0.00	0.00	4400.00	0.00				0.00	42240.00		
9	Galvalume Steel Sheet Roofing: Providing galvolume sheet roofing fixed with polymer etc complete as per specifications and directions of engineer in charge of the work		38.71	1137.00	44013.27	38.71	1200.00	46452.00	0.00	0.00	1200.00	0.00				0.00	46452.00		
10	Providing & fixing 84C Steel Flase Ceiling with panel of 0.5mm thick with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm	38.71	1500.00	58065.00	38.71	1600.00	61936.00	0.00	0.00	1600.00	0.00				0.00	61936.00		
11	Providing & fixing Granite Seating with necessary fitings etc complete and as per directions of Engineer-In-Charge.	Sqm	4.29	3500.00	15015.00	4.29	3510.00	15057.90	6.58	5.36	3510.00	18822.00	1.22	3510.00	4270.00	23092.00		8034.10	
12	Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not	Cum	6.01	4327.98	26011.16	6.01	4800.00	28848.00	5.53	5.53	4800.00	26555.00				26555.00	2293.00		
13	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement / colour pigment etc complete as per specifications and directions of engineer in charge of the work	Sqm	37.92	1708.72	64794.66	37.92	1890.00	71668.80	24.45	24.45	1890.00	46210.00				46210.00	25458.80		
							EIRL												
14	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications, KPS	Cum	-	-	-	-	-	-	7.25	-	-	-	7.25	3484.22	25259.00	25259.00		25259.00	

3,22,739 | 33293

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2013-14+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
15	Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials	Cum	-	-	-	-	-	-	5.92	-	-	-	5.92	4148.84	24566.00	24566.00		24566.00	
16	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding	Cum	-	-	-	-	-	-	10.10	-	-	-	10.10	5789.72	58459.00	58459.00		58459.00	
17	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed	Sqm	-	-	-	-	-	-	57.44	-	-	-	57.44	779.10	44752.00	44752.00		44752.00	
18	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, :	Sqm	-	-	-	-	-	-	47.58	-	-	-	47.58	163.24	7767.00	7767.00		7767.00	
19	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth	Sqm	-	-	-	-	-	-	50.74	-	-	-	50.74	199.28	10111.00	10111.00		10111.00	
20	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	-	-	-	-	-	-	98.32	-	-	-	98.32	19.08	1876.00	1876.00		1876.00	
21	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth	Sqm	-	-	-	-	-	-	39.63	-	-	-	39.63	165.36	6552.00	6552.00		6552.00	
22	Providing and fixing of wall cladding using 20mm thick gang saw water cut Shiva gold granite, grey granite in CM 1:3 proportion cut to required shape,	Sqm	-	-	-	-	-	-	18.00	-	-	-	18.00	4326.92	77885.00	77885.00		77885.00	
23	Providing and laying in position yelahanka tiles of size 250x250mm of approved quality and make, over a bed of cement mortar 1:3 an average	Sqm	-	-	-	-	-	-	57.44	-	-	-	57.44	673.10	38663.00	38663.00		38663.00	

= 2,70631

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2013-14+ T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
24	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with	Sqm	-	-	-	-	-	-	24.08	-	-	-	24.08	59.36	1429.00	1429.00		1429.00	
25	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming	Cum	-	-	-	-	-	-	39.63	-	-	-	39.63	78.44	3108.00	3108.00		3108.00	
26	Electrification with meter board fittings 15%				130072.00														
27	Miscelaneous and unforgen charges	LS			2972.00														
	Total				**1000000.00**			**905879.70**				**377492.00**			**527937.00**	**905429.00**	**583816.80**	**583366.10**	

0.05 Below

SUMMARY:

1. **Estimated Cost : Rs. 10.00 Lakhs**
2. **Tender Cost : Rs. 9.058 Lakhs**
3. **Executed Cost: Rs. 9.054 Lakhs**
4. **During execution as per requirement and site condition, the executed Qty. costs Rs. 9.054 Lakhs which is 0.05% Below the Tender cost. The proposal may kindly be approved.**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

"Work Slip Approved"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92